



Test Report				Date of issue: 4.6.2014							
				Serial No.: 0908-010290843							
				Type: M3KP 200MLA 2 B3							
				Product Code: 3GKP201410-G							
				Protection type: Ex de IIB T4 Gb							
				Cert. No.: LCIE 10 ATEX 3061X / IECEX LCI 04.0011X							
Rating:											
				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				400	D 50	30	2956	52,7	0,88	S1	
Insul.cl.F				415	D 50	30	2958	51,4	0,87	S1	
IP55				690	Y 50	30	2956	30,6	0,88	S1	
Ambient temp. -20°C...+40°C											
Eff class IE2				400 V 50Hz : IE2 - 93.2(100%) - 93.6(75%) - 93.0(50%)							
Resistance				Insulation resistance at 51,5 °C				Overload			
Line				2500 MΩ 1000 V				Torque 160 % 15s			
U ₁ - V ₁				Ambient: 21,0 °C							
U ₁ - W ₁				0,12740 Ω							
V ₁ - W ₁				0,12740 Ω							
				0,12750 Ω							
				High-voltage test winding 1900 V				60 s			
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]		
No load test		400,1 D	50	14,0	0,82		3000	0,08			
Locked rotor test		76,3 D	50	53,9	2,49		0	0,35			
Thermal test (100% load)	97,3	400,1 D	50	53,2	32,2	30,0	2956	0,87	93,1		
Partial load points:											
~75% load	72,5	399,9 D	50	40,7	24,1	22,5	2971	0,85	93,5		
~50% load	49,0	400,1 D	50	29,2	16,2	15,0	2981	0,80	92,9		
~25% load	23,8	400,2 D	50	19,4	8,40	7,50	2992	0,62	89,3		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				66,4	66,4	1		1 Resistance			
Frame :				23,8	23,8	2		2 Thermometer			
Bearing D-end :				32,6	32,6	2		3 Thermocouples			
Rotor:				70,1	70,1	3					
Ambient Temperature :				25,0	25,0	2					
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.											
On behalf of customer											
On behalf of manufacturer				Date of test				25.3.2009			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone		+358 10 2211		
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